=> b reg
FILE 'REGISTRY' ENTERED AT 18:28:46 ON 05 MAY 2008
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STRUCTURE FILE UPDATES: 4 MAY 2008 HIGHEST RN 1019130-28-9 DICTIONARY FILE UPDATES: 4 MAY 2008 HIGHEST RN 1019130-28-9

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http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta l11 L7 STR

Hy \(^G1 \rightarrow Hy \)
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VAR G1=O/S
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E4 C E2 N AT ECOUNT IS E5 C E1 N AT

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 3

STEREO ATTRIBUTES: NONE

L9 123413 SEA FILE=REGISTRY ABB=ON PLU=ON NCNC3/ES AND NC5/ES L11 3419 SEA FILE=REGISTRY SUB=L9 SSS FUL L7

100.0% PROCESSED 109454 ITERATIONS SEARCH TIME: 00.00.02

3419 ANSWERS

=> b hcap FILE 'HCAPLUS' ENTERED AT 18:28:56 ON 05 MAY 2008 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 5 May 2008 VOL 148 ISS 19 FILE LAST UPDATED: 4 May 2008 (20080504/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitrn fhitstr 117 tot

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ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS ON STN
AN 2006:513745 HCAPLUS
DIT TROATMENT OF STOKE with histamine H3 inverse agonists or histamine H3 antagonists
IN Seabrook, Guy R.; Koblan, Ken S.; Ho, Tony Wei-Hsiu
PA Merck G.O., Inc., USA
SO PCT Int. Appl., 17 pp.
DI PALENT
LA English
FAR.CNT I
PATENT NO. KIND DATE APPLICATION NO. DATE
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L17																			
AN	2005:74112 HCAPLUS																		
DN	142:176868																		
TI	Preparation of heterocyclic compounds as histamine H3 receptor antagonists/inverse agonists																		
IN	Ohtake, Norikazu; Naya, Akira; Haga, Yuji; Jitsuoka, Makoto; Suga, Takuya; Yoshimoto, Ryo; Tokita, Shiqeru; Kanatani, Akio																		
PA	Banvu Pharmaceutical Co., Ltd. Japan																		
so	PCI Int. Appl., 194 pp. CODEN: PIXXD2																		
DT	Patent																		
LA	Japanes	e																	
FAN.	CNT 1																		
	PATENT				KIN		DATE			APPLICATION NO.									
ΡI										2004							0624		
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		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,		
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	CN1812981									2004CN-080018205									
	US-2006				Al		2006	0810		2005	US-0	0056	1115		2	0051	215		
PRAI	2003JP- 2004WO-	Α		2003	0627														
	2004WO-	JP00	0927	2	W		2004	0624											
	MARDAT																		

$$X^{1}$$
 X^{2}
 X^{2}
 X^{3}
 X^{2}
 X^{3}
 X^{4}
 X^{5}
 X^{5}
 X^{7}
 X^{7

The title compds. I [each of X1, X2 and X3 independently represents N or CH; W represents the formula T1, etc.; m = 0 - 3; and Y represents (0) JLJ(CO)p(M)(QI); j, p, i = 0 or 1; L1 = alkylene, single bond; M = 0, etc.; Q1 = cyano, etc.; R = cyano, etc. | are prepared Thus, Z-(1-cyclopenty)pjperidin-d-ylovy)-5-(4-cyanopheny))pyrinidine was prepared 1-cert-butovycarbonyl-4-hydroxypiperidine. In an in vitro assay for inhibition of a histamine analog binding to the H3 receptors, compds. of this invention showed Ic50 values of 0.45 mit ol. 19 mM. Processes for preparing I are disclosed. Formulations are given. 327735-10-18
327735-10-13 activity; RCT (Reactant); SPN (Synthetic Preparation); MACT (Reactant or reagent); USES (Uses) (Preparation of heterocyclic compds. as histamine H3 receptor antagonists) 32774-48-29 327734-50-69 327734-50-49
327734-68-49 327734-69-69 327734-68-29
327734-68-49 327734-69-69 327734-68-29
327734-88-69 327734-69-89 327734-88-89
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327734-90-49 327734-91-59 327734-95-99
327734-96-09 327734-91-71 327734-95-99
327734-96-09 327734-91-71 327734-95-99
327734-96-09 327734-91-71 327734-95-99

L17 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on SIN
AN 2005:1123759 NCAPLUS
D1 141:379851
II Treatment of tremor or other movement disorder with histamine H3 inverse agonists or histamine H3 antagonists
IN Marino, Michael J.; Seabrook, Guy R.
PA Merck 4 Co., Inc., USA
50 PCT Int. Appl. 17 pp.
D7 Patent
LA English
FAN.CNI D RATENT NO. KIND DATE APPLICATION NO. DATE (Uses) (Histamine h3 inverse agonists or antagonists for treatment of tremor or other movement disorder, and use with other agents) (Histamine h3 inverse agonists or antagonists for treatment of tremor or other movement disorder, and use with other agents) (H2734-48-27) (H374-48-27) (H374-48-28) (H374-4

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ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
832734-99-3P 832735-00-3P 832735-01-0P
832735-02-1P 832735-03-2P 832735-01-2P
832735-02-1P 832735-03-2P 832735-11-2P
832735-12-3P 832735-13-4P 832735-11-2P
832735-12-3P 832735-12-0P 832735-12-09
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832735-45-2P 832735-49-3P
832735-45-2P
832735-46-3P
832735-46-
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RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT => => d bib abs hitstr 125 tot

- ANSWER 1 OF 3 MCAPLUS COPYRIGHT 2008 ACS on SIN 2007:1395785 MCAPLUS 148:55094 Preparation of pyracolopyrimidines as cyclin-dependent kinase inhibitors Guzi, Timothy J.; Paruch, Kamil; Dwyer, Michael P.; Labroli, Marc; Keertikar, Kartik M. Schlering Corporation, USA Schlering Corporation, USA CODEN: USXXCO Patent English CODEN: USXXCO Patent English
- PA SO

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US-20070281951	A1	20071206	2007US-000788856	20070420
	CN1880317	A	20061220	2006CN-010101322	20030903
	US7161003	B2	20070109	2003US-000654546	20030903
	US-20070037824	A1	20070215		
	US-20040209878	A1	20041021	2004US-000776988	20040211
	US7119200	B2	20061010		
	US-20060128725	A1	20060615	2005US-000245401	20051006
	US7196078	B2	20070327		
	ZA2005001855	A	20060329	2005ZA-000001855	20060117
	US-20070225270	A1	20070927	2007US-000710644	20070223
PRAI	2002US-00408027P	P	20020904		
	2002US-00421959P	P	20021029		
	2003US-000654546	A2	20030903		
	2004U5-000776988	A2	20040211		
	2005US-000245401	A3	20051006		
	2007US-000710644	A2	20070223		
	2003CN-000824997	A3	20030903		
os GI	MARPAT 148:55084				

- The title compds. [I; R = H, alkyl, cycloalkyl, etc.; R2 = alkyl, halo, aryl, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyll, useful as inhibitors of cyclin dependent kinases for treatment, prevention, inhibition, or amelicration of one or more diseases associated with the CDKs such as cancer, were prepared Thus, reacting II (preparation qiven) with 4-aminomethylpyridine afforded 53% III which showed IGSO of 0.020 MM examinated the composition of the composit

- 1.25 AMSMER 2 OF 3 MCAPLUS COPYRIGHT 2008 ACS on STN
 AN 2006:579598 MCAPLUS
 DN 145:62916
 IT Preparation of pyrarolopyrimidines as cyclin-dependent kinase inhibitors
 IN Guri, Timothy J.; Paruch, Kamil; Dwyer, Michael P.; Labroli, Marc;
 Keertikar, Kartik M.
 PA Schering Corporation, USA
 O U.S. Fat. Appl. Publ., 1068 pp., Cont.-in-part of U.S. Ser. No. 776,988.
 CODEN: USANCO.
 DT.
 LE English
 FAN.CHT 8
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FAN.	PATENT				KIND DATE					APPL								
PI	US-2006	A1		20060615			2005											
	US	B2 20070327																
	CN	1880	317		A		2006	1220		2006	CN-0	1010	1322		2	0030	90	
	US	7161	003		B2		2007	0109		2003	US-0	0065	4546			0030		
	US-2007	US-20070037824					2007	0215										
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	US-2007	Al		2007	0329		2006		2006100									
	WO2007044449						2007	0419		2006WO-US0038939					2006100			
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- ANSMER 1 OF 3 HCAPLUS COPYRIGHI 2008 ACS on SIN (Continued) 891495-37-79
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PACI (Reactant or reagent) (preparation of pyracolopyrimidines as cyclin-dependent kinase inhibitors) 891495-37-7 HCAPLUS (Carbamtic acid, N-[5-[4-(2-pyrimidinyloxy)-1-piperidinyl)pyracolo[1,5-a]pyrimidin-7-yl]-, 1,1-dinethylethyl ester (CA INDEX NAME)

- L25 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
- The title compds. (I; R = H, alkyl, cycloalkyl, etc.; R2 = alkyl, halo, aryl, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyl, useful as innitiotors of cyclin dependent kinases for treatment, prevention, inhibition, or amelioration of one or more diseases associated with the CDKs such as cancer, were prepared Thus, reacting II (preparation given) with 4-aminomethylpyridine afforded 93% III which showed ICSO of 0.020 µM and 0.029 µM against CDM2 kinase (cyclin A or cyclin 8-dependent). The pharmaceutical composition comprising the compound I is claimed. 89:1455-37-17 Chanth; SPM (synthetic preparation); PRED (Preparation); RACT (preparation of pyracolopyrimidines as cyclin-dependent kinase inhibitors) 89:1495-37-7 HCAPUS
 Carbamic acid, N-[5-[4-(2-pyrimidinyloxyl-1-piperidinyl]pyracolo[1,5-a]pyrimidin-7-yl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L25 AN	ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN 2004:780535 HCAPLUS																	
DN	141:296039																	
TI	Preparation of bicyclo-pyrazole derivatives active as kinase inhibitors, process for their preparation and pharmaceutical compositions comprising them																	
IN	Abrate.	Fra	nces	ca:	Fanc	elli	. Da	niel	e: V	aras	i . M	ario	· vi	lla.	Man	uela		
PA	Abrate, Francesca; Fancelli, Daniele; Varasi, Mario; Villa, Manuela Pharmacia Italia S.p.A Italy																	
so	PCT Int. Appl., 68 pp. CODEN: PIXXD2																	
DI	Patent																	
LA	English																	
	CNT 1																	
			KIN	D DATE APPLICATION NO.														
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PRAI	2003US-	0045	3885	P	P		2003	0311										
		2004WO-EP0050237																
os	MARPAT																	
GI																		

Pyrrolo-pyratole derivs. (I) and pharmaceutically acceptable saits thereof interests R = H. COR*, COR*, CORMEN. -Ct:NNINNEY. SOOR*, SOORMER*; R1 = Optionally substituted and optionally benrocondenses & or of membered heterocyclic group with from 1 to 3 heteroatoms or heteroat. groups selected from N. NR*, O or S; R2 = H, R*, COR*, COR

L25 ANSMER 3 OF 3 HCAPLUS COPYRIGHI 2008 ACS on STN (Continued)
disorders, Altheimer's disease, viral infections, auto-immune diseases and
neurodegenerative disorders. Two representative I compds.,
dispersed of the composition of the composi

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7
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              0 L7
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L10
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L11
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                SAV TEM J115C35/A L11
              1 PIPERIDINE/CN
T<sub>1</sub>12
L13
           1428 46.156.1/RID AND L11
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           1384 46.195.39/RID AND L13
            67 L14 AND L3
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           1317 L14 NOT L15
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L25
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SEL HIT RN L20

116 E144-259

L26

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FILE 'REGISTRY' ENTERED AT 19:12:07 ON 05 MAY 2008

06/05/2008 Page 7